FOOTHILL COLLEGE
SCIENCE LEARNING INSTITUTE

Join SLI in celebrating our interns' accomplishments this summer...

STEM Internship Final Presentations

This summer, 30 Foothill students participated in internships, gaining skills in research with the guidance and support of mentors at Stanford, SLAC, San Jose State University, Carnegie Science, University of California Santa Cruz. Help us celebrate their accomplishments in their through their final presentations.

WED, SEPT 4, 2024
1 - 2:15 PM
2:30 - 3:45 PM
(In person and Zoom)

THU, SEPT 5, 2024
10 AM - 11:30AM
(Zoom)

Room 4502 at Foothill for in-person

Zoom link

FOOTHILL COLLEGE
SCIENCE LEARNING INSTITUTE

WEDNESDAY 9/4/24

1 PM - 2:15 PM, Zoom & Room 4502

SOFIA MARQUEZ & TOSIF ALIYEV
Philip Dirlam, San Jose State University
Broadening Accessibility & Training To Emerging Researchers for Innovative Energy Storage (BATTERIES)

VINCE DAVID MUEGO
Li Liu, University of California, Santa Cruz
Towards reliable and explainable visual assistance using data science

ALEXIS AGUILAR
Julie Segal, SLAC
TCAD Simulation of Silicon detectors

EMILY JIMENEZ
Mackenzie Bullock, Standard BioTools
Development of a microfluidic platform for high throughput genomic analysis.

DANIEL HERNANDEZ RUFINO
Sheena Vasquez, Stanford University
Developing tools to purify polluted waters using structural biology

SAMUEL AVALOS
Xinzhe Xue, University of California, Santa Cruz
Designing High-Energy-Density Zinc Batteries

STEFANY MALDONADO
Andrea Nebhut, Carnegie Institution for Science
Invasive plant success in a changing climate

DIEGO GODOY RUGE
Yonatan Winetraub, Stanford University
Utilizing Machine Learning to Create Non Invasive Biopsy for Early Detection of Cancer

Please email sli.foothill@gmail.com for more information

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WEDNESDAY 9/4/24

2:30 PM - 3:45 PM, Zoom & Room 4502

PAULINA CABRAL
Fatima Pardo Avila, Stanford University
Building PDBCleanV2, a Python library to curate molecular structures

CHRYSTYAN PULIDO
Wonhee Lee, Jeffery Ott, Stanford University
Textsmith: Harnessing the Power of AI for Text Classification

FERNANDA ABOYTES VILLASENOR
Daniel Fernandez, Stanford University
Oligopeptide Models of Biological Protein Action

ALEXANDER ARDON
Jemma Fadum, Carnegie Institution for Science
Research assistant for study on the impacts of salmon aquaculture in Newfoundland, Canada

HANNAH SHONG
Chris Zhan, Intact Therapeutics
Investigation for Protein Stabilizing Compounds in Liquid and Hydrogel Solutions

JOSH GERMAIN
Max Mu, Davy Pang, Rambus Inc.
R&D Lab Intern for Validation Teams

MISHELLE SOLIS JUAREZ
Javaria Najeeb, Stanford University
Study of Viral Glycoproteins for Vaccine Discovery

PATTON BUI
Stephanie Limon, Intermolecular
Reviewing Quality Assurance Schematics in the Semiconductor Industry

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THURSDAY 9/5/24

10 - 11:30 AM, Zoom

DANNA AVILA
Sean Yamada-Hunter, Stanford University
- Improving paired immunotherapies through T cell genome engineering

MATEO CHAVEZ
Thom Chaffee, Stanford University
- Preventing rust while heating rare extraterrestrial materials to understand their magnetic properties

RICARDO DIAZ
William Ng, Noel Shamoon, Rambus Inc.
- R&D Lab Intern for Validation Teams

TANEQUA BAILEY
Feruza Amirkulova, San Jose State University
- Traveling Waves and Sound Propagation Simulations using Waves.jl Data-Driven Framework

CARLOS HERNANDEZ
Samira Bagheri, EMD Electronics
- Process engineer assistant in a semiconductor company

HAILY GARCIA GONZALEZ
Virginia Isarraras, Stanford University
- A Platform for Elevating Youth Voices and Choices

PHOENIX WILSON
Sylvain Flamant, Esperanto Technologies
- Project 1: Machine Learning: Video-to-Text
  Project 2: Machine Learning: Speech-to-Text

BRITTANY MORALES & SANDRA LOPEZ
Marco Aguirre, CCPathways
- Front End & Data Analytics Program Intern

ANA SOTO
Wayne Liang, Evocative
- Discover the world of digital infrastructure and understand how the internet works behind the scenes.

JUAN LARA
Andrew Beel, Stanford University
- Biochemistry and structural biology of human chromosomes

FLORENCIA BARBIERI
Gabriel Reyes, Marissa Mora, FLi Sci
- A Qualitative Exploration of Low-Income Student's Experience in Science

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